

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/01423

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J8/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 979 314 A (ECKERT JOHN S) 11 April 1961 (1961-04-11) column 2, line 45 - column 3, line 22; figure 2	1,2
A	DE 10 79 004 B (LENTIA GMBH) 7 April 1960 (1960-04-07) the whole document	3,10
A	US 4 275 018 A (BRAUN ROLAND) 23 June 1981 (1981-06-23) column 4, line 13 - line 21 column 4, line 41 - line 46 figures 1-14	1,3,10
A	DE 907 289 C (KASPAR KOENIG) 22 March 1954 (1954-03-22) the whole document	1,3

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

20 August 2003

Date of mailing of the international search report

28/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vlassis, M

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1,2

Grid in the form of a web of vertically disposed plates comprising a network of strands of plate segments connected by junctions, said strands terminating only at the periphery of the grid and one or more internal plate branches and where in a horizontal cross section through the grid each segment has at least two angular and/or curved portions which alternate in directions.

2. Claims: 3-10

Grid in the form of a web of vertically disposed plates wherein in horizontal cross section the web has a repeating pattern, the pattern comprising substantially polygonal cells with at least 8 sides, at least two internal angles above 180° and at least four angles below 180° .

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 03/01423

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/01423

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2979314	A	11-04-1961	NONE
DE 1079004	B	07-04-1960	NONE
US 4275018	A	23-06-1981	DE 2526632 A1 16-12-1976 FR 2313969 A1 07-01-1977 GB 1525813 A 20-09-1978 IT 1062782 B 14-01-1985
DE 907289	C	22-03-1954	NONE